



COUNTY BOROUGH OF TYNEMOUTH

SIXTY-SIXTH

ANNUAL REPORT

OF THE

Medical Officer of Health

1946.

O.N. 10898/9/47. 200B/85UB.





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**County Borough of Tynemouth,
HEALTH COMMITTEE.**

THE MAYOR—Councillor JOHN LISLE.

Chairman :

Councillor G. C. BARBER.

Deputy Chairman :

Councillor J. P. CHEYNE.

Members :

Alderman	Mrs. FRATER, J.P.	Councillor	FAIRBAIRN.
„	HARRISON, J.P.	„	FORSTER.
„	PARK, J.P.	„	LITTLE.
Councillor	AMIS.	„	SOUTHWORTH, Mrs. A.
„	ARKLEY.	„	THEWLES.
„	BARBER, Mrs. M.	„	WALSH.
„	CRAWSHAW.	„	WATSON.

R. H. DAWSON, M.B., CH.B., D.P.H. (Edinburgh).

Medical Officer of Health,

Chief Medical Adviser to the Local Authority,

Chief Medical Officer to the Education Authority,

Administrative Tuberculosis Officer,

Chief Medical Superintendent of Infectious Diseases Hospital,

Frater Maternity Home

and

Vaccination Officer.

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

—:o:—

Medical Officer of Health :	R. H. DAWSON, M.B., Ch.B., D.P.H.
Deputy Medical Officer of Health :	R. M. WHITE, M.B., Ch.B., D.P.H.
Maternity and Child Welfare Medical Officer :	MARGARET B. STEEL, M.B., Ch.B., D.P.H.
Senior Sanitary Inspector :	C. A. MURRAY, Cert. S.I.B., Cert. Meat Inspection.
Deputy Senior Sanitary Inspector :	J. E. HALL, Cert. R.S.I., Cert. Meat Inspection.
Sanitary Inspectors :	L. MORALEE, Cert. R.S.I. G. G. STANLEY, Cert. R.S.I., Cert. Meat Inspection. S. WHITFIELD, Cert. R.S.I., Cert. Meat Inspection.
Tuberculosis Health Visitors :	M. IRVING, S.R.N., S.C.M. A. TINDLE, S.R.N., S.C.M.
Maternity and Child Welfare Health Visitors :	E. MARSHALL, H.V. Cert., S.R.N., S.C.M. V. PARKER, H.V. Cert., S.C.M. I. GREEN, H.V. Cert., S.R.N., S.C.M. E. STEVENSON, H.V. Cert., S.R.N., S.C.M. M. BATEY, H.V. Cert., S.R.N., S.C.M.
Chief Clerk :	W. R. MILLER
Senior Clerk :	G. G. ELLIS.
Clerks :	B. O. BLAGBURN E. MCNEIL
Typists :	Miss M. LAMBERT. Miss J. BLACK.
Messengers :	Miss M. KASELL.
Disinfectors:	R. DAVISON. B. NEWHAM
Moor Park Hospital :	
Matron :	Miss K. ROBINSON.
Frater Maternity Home :	
Matron (Part-time) :	Miss C. CORNEY.
Sister :	M. HYSLOP, S.C.M.
Lovaine Day Nursery:	
Matron :	E. HAWKES, S.R.N., R.F.N.
Municipal Midwives :	E. FANTHORPE, S.C.M. M. HALL, S.R.N., S.C.M. M. HAWKES, S.C.M. H. HOROBIN, S.R.N., S.C.M. M. KANE, S.C.M. E. MOONEY, S.C.M. G. SMILES, S.C.M. (Temp.). M. MARTIN, S.C.M. (Appointed 14-10-46).

PUBLIC HEALTH DEPARTMENT,
TYNEMOUTH.

September, 1947.

*To The Mayor, Aldermen and Councillors,
of the County Borough of Tynemouth.*

YOUR WORSHIP, LADIES AND GENTLEMEN,

I have the honour to present my Annual Report upon the Health and Sanitary conditions of this Borough for the year 1946.

Whilst fuller details are given throughout the pages of this report, I wish to draw your attention to certain of the main features of the Vital Statistics of the Borough.

The Birth Rate of 21.32 per thousand of the population shows a substantial increase over that of 1945 (19.47) and, with the exception of the year 1944 (21.90), is the highest recorded Birth Rate since 1925.

The Death Rate has again dropped from 13.56 per thousand of the population in 1945 to 12.49 in 1946. This is the lowest Death Rate since 1939.

I record with satisfaction that there were no Maternal Deaths during 1946.

Notifications of new cases of Tuberculosis showed the same figure as at 1945, i.e. 86, and, although the incidence of Tuberculosis tends to increase during war and immediate post-war years, it is of interest to note that the figure for the year 1919 was 152.

At December 1946 approximately 67% of the child population had been immunised against Diphtheria, and there was only 1 death (an unimmunised child) from the disease during the year.

The routine Sanitary Inspection has been maintained throughout the year as will be seen from a study of the Senior Sanitary Inspector's Report commencing at page 15.

In conclusion, I wish to take this opportunity of expressing my thanks to the Chairman and Members of the Health Committee, and to all members of my staff for their valuable support and keen interest taken in the general administration of the Department.

I have the honour to remain,

Your obedient Servant,

R. H. DAWSON,

Medical Officer of Health.



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ANNUAL REPORT, 1946.

STATISTICAL AND SOCIAL CONDITIONS OF THE AREA.

SOCIAL CONDITIONS.

Area (Acres) (Exclusive of 80 Acres covered by inland water)...	4,604
Population (1931 Census)	64,922
Population (Estimated 1946 by Registrar General)	63,690
Total dwellings (occupied and vacant) 1931 census	13,635
Number of private families therein. 1931 Census	16,079
Average number of persons per family. 1931 Census	3.86
Rateable Value (1st April, 1946)	£424,754
Sum represented by a penny rate (31-3-47)	£1,686
Amount expended in out-relief 1946	£17,496

VITAL STATISTICS FOR THE YEAR 1946.

Marriages and Births.

Number of Marriages	607
Total LIVE BIRTHS (Registrar General's figures)	1,358

Compiled as follows :—

	<i>Males.</i>	<i>Females.</i>
Legitimate	649	620
Illegitimate	47	42
	<hr/> 696	<hr/> 662

The NETT TOTAL BIRTHS assignable to the Borough as above (1,358) gives an ANNUAL LIVE BIRTH RATE of 21.32 per 1,000 of the population.

The LIVE BIRTH RATE for England and Wales was 19.1 per 1,000 of the population.

STILLBIRTHS during the year totalled ... 44

Compiled as follows :—

	<i>Males.</i>	<i>Females.</i>
Legitimate ...	25	13
Illegitimate ...	4	2
	<hr/> 29	<hr/> 15

The STILLBIRTH RATE for the Borough was 39.76 per 1,000 live births.

The STILLBIRTH RATE per 1,000 of the population for the Borough equalled 0.69.

The STILLBIRTH RATE per 1,000 of the population for England and Wales equalled 0.53.

The Percentage of ILLEGITIMATE LIVE BIRTHS to the total live births for the Borough equalled 6.48.

DEATHS.

DEATHS assignable to the Borough during the year totalled ... 796

Compiled as follows :—

<i>Males.</i>	<i>Females.</i>
422	374

The DEATH RATE per 1,000 of the population for the Borough equalled 12.49.

The DEATH RATES per 1,000 of the population for England and Wales, and the Great Towns were 11.5 and 12.7 respectively.

INSTITUTIONAL DEATHS.

Deaths of persons belonging to the Borough which occurred in

PUBLIC INSTITUTIONS were as follows :— ...

Preston Hospital ...	187
Tynemouth Victoria Jubilee Infirmary ...	28
Frater Maternity Home ...	1
Moor Park Isolation Hospital ...	5
Grosvenor Nursing Home...	2
Priory Nursing Home ...	2
Other Institutions outside the Borough....	50
	<hr/> 275

34.54% of all deaths of residents of the Borough took place in Public Institutions.

PRINCIPAL CERTIFIABLE CAUSES OF DEATH.

	No. of Deaths.	Proportion of Deaths per 1,000 Deaths from all causes.
Diseases of Circulatory System.		
Disease of the heart	262	329.14
Intra-cranial Vascular Lesions	89	111.81
Other Circulatory Diseases ...	22	27.63
Respiratory Diseases.		
Pneumonia	27	33.92
Influenza	3	3.77
Bronchitis	34	42.71
Other Respiratory Diseases ...	12	15.07
Tuberculosis. .		
All forms	51	64.07
Cancer and Malignant Diseases.		
All forms	122	153.26
Deaths from all causes	Total 796	

MATERNAL MORTALITY.

NO MATERNAL DEATHS occurred during the year, giving a mortality rate of 0.00 per 1,000 live and still births.

COMPARATIVE TABLE OF MATERNAL DEATHS FOR PAST 10 YEARS.

Year.	Births.	Birth Rate.	TYNEMOUTH.		England and Wales Maternal Mortality per 1,000 live and stillbirths.
			No. of Maternal Deaths (R.G.).	Maternal Mortality per 1,000 live and stillbirths.	
1937	1,087	16.25	2	1.84	3.23
1938	1,104	16.60	5	4.50	3.08
1939	1,119	16.70	2	1.74	2.93
1940	1,060	17.74	6	5.47	2.16
1941	897	15.95	3	3.21	3.87
1942	908	16.97	2	2.08	2.08
1943	1,019	19.45	2	1.96	2.29
1944	1,252	21.90	0	0.00	1.93
1945	1,144	19.47	2	1.75	1.79
1946	1,358	21.32	0	0.00	1.43
Average*	1,095	18.23	2.4	2.25	2.48

* Mean of 10 years.

NEO-NATAL MORTALITY.

52 NEO-NATAL DEATHS gave a Mortality Rate (of infants under one month of age per 1,000 live births), of 38.29. 38 of these deaths occurred in Institutions.

DEATHS FROM PUERPERAL CAUSES.

	No.	Rate (per 1,000 total live and stillbirths).
Puerperal Sepsis	0	0 00
Other Maternal causes ...	0	0.00

INFANTILE MORTALITY RATES OF INFANTS UNDER ONE YEAR OF AGE.

Deaths of infants under one year of age totalled 82, which gives an INFANTILE MORTALITY RATE of 60.38 deaths per 1,000 live births.

The INFANTILE MORTALITY RATES for England and Wales and for the Great Towns were 43 and 46 respectively.

Death Rates of Legitimate Infants, per 1,000 legitimate live births 57

Death Rates of Illegitimate Infants, per 1,000 illegitimate live births 78

Amongst children of all ages, measles caused 1 death, and whooping cough 1 death. Diarrhoea caused 5 deaths amongst children under 2 years of age.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

MEDICAL PRACTITIONERS.

There are 20 doctors resident in the County Borough of Tynemouth who are engaged in private practice.

LABORATORY FACILITIES.

With the exception of hospital clearance swabs, 175 of which were examined during the year at the laboratory of the Moor Park, Infectious Diseases Hospital, North Shields, all bacteriological specimens were examined at the Central Public Health Laboratory at King's College, Newcastle, under a joint scheme, inaugurated in August, 1944, incorporating the authorities of Newcastle, Gateshead, Durham County and Tyne-mouth.

Details of specimens examined at the Central Public Health Laboratory, are as follows :—

(1)	Swabs for C. Diphtheria	905
(2)	Throat Swabs for Streptococci	79
(3)	Sputum for Tubercle Bacilli	326
(4)	Blood for Widal Reaction	3
(5)	Excreta for enteric and dysenteric organisms	4
(6)	Bacteriological Examinations of Milk	213
(7)	Bacteriological Examinations of Water	24
(8)	Chemical Examinations of Water	8
(9)	Ante-Natal Blood Tests for Wassermann Reaction ...	637
(10)	Miscellaneous Examinations.....	23
Total.....		<u>2,222</u>

HOSPITALS AND INSTITUTIONS.

FACILITIES AVAILABLE AT HOSPITALS IN THE COUNTY BOROUGH OF TYNEMOUTH.

Preston Hospital.

An agreement as to joint usage of this Hospital with the North-umberland County Council is operative until 1950.

The figures given below show the number of patients treated, and the nature of the disease dealt with, in Preston Hospital, during the year 1946, and relate to all patients admitted from both the County Borough of Tynemouth, and the County Council of Northumberland.

Preston Hospital—General Statistics.

Number of beds available	488
Number of patients admitted during the year	4,211
Number of patients discharged and died	3,751
Number of deaths during the year	493
Average number of beds occupied	309
Number of patients seen at Venereal Diseases Clinic	771
Number of attendances at V.D. out-patient department... ..	11,306
Number of surgical operations under general anaesthetic	973

Preston Hospital.

	C.B.	C.C.	Total.
Number of children, including children suffering from Tuberculosis, admitted from 1/1/46 to 31/12/46	606	361	967
Number of Maternity Patients admitted from 1/1/46 to 31/12/46			849
Number of patients seen ante-natally	509	294	803
Total number of visits by ante-natal patients ...	2922	1460	4382
Number of X-Ray Examinations			2000

Statistical Table relating to In-Patients from Tynemouth County Borough and Northumberland County Council from 1st January to 31st December, 1946.

	County Borough.	County Council.
1. Total number of admissions	2,301	1910
2. Number of women confined in Hospital ...	523	326
3. Number of live births	821	
4. Number of stillbirths	23	19
5. Number of deaths among newlyborn (In Hosp.) (i.e. under four weeks old) ... (Others)	—	—
6. Total number of deaths among children under one year	63	
7. Number of Maternal Deaths	—	1
8. Total number of deaths	493	
9. Number of patients discharged	3258	
10. Number of beds occupied :—		
(a) Average during period	309	
(b) Highest—on 29/5/46	359	
(c) Lowest—on 12/11/46	206	
11. Number of surgical operations under general anaesthetic (excluding dental operations) ...	973	
12. Number of abdominal sections... ..	275	

Tynemouth Victoria Jubilee Infirmary.

The following is a summary of the work performed in the Infirmary during 1946.

Total patients treated	9,050
(In-patients 1,787 ; Out-patients 7,263).	
Operations under general anaesthesia	2,397
Patients treated in Massage and Electrical Department (10,494 visits)	553
Examinations in X-Ray Department	8,033
Specimens Examined in Laboratory	138

Frater Maternity Home.

This Maternity Home is under the control of the Public Health Committee, and is administered in co-operation with the Tynemouth Victoria Jubilee Infirmary, one Matron acting for both Institutions. General Practitioners attend their own patients in the Home.

156 patients were admitted during the year, resulting in 156 confinements, 2 of which were stillbirths. The total live births were 155 of whom 77 were males and 78 females.

Average duration of residence per patient was 11.73 days. Medical Aid was summoned in 39 cases. There were no Maternal Deaths during the year. Number of infant deaths within 10 days of birth, one.

Balkwell Smallpox Hospital.

This Hospital, which was a temporary building completed in 1925, has now been demolished to make way for the further development of the Council's Housing Programme. Arrangements have been entered into with Newcastle-on-Tyne Corporation to isolate in their Infectious Diseases Hospital at Walker Gate any cases of smallpox occurring in Tynemouth County Borough.

Moor Park Hospital.

TABLE SHOWING ADMISSION, DISCHARGES AND DEATHS DURING 1946.

Disease.	Patients in Hospital on 1/1/46.	Admitted.	Discharged.	Died.	Remaining in Hospital, 31/12/46.
Diphtheria ...	8	67	73	—	2
Scarlet Fever ...	3	29	31	—	1
Tuberculosis ...	12	21	22	4	7
Enteric Fever ...	—	1	—	—	1
Measles ...	—	6	2	—	4
Other Cases ...	—	10	10	—	—
Totals ...	23	*134	138	4	15

* Of the 134 cases admitted during the year, 9 were Service Cases, viz. : 8 Tuberculosis ; and 1 Vincent's Angina.

The total number of days spent in hospital by patients during the year was 7,781 or an average of 49.56 days per patient.

REGISTRATION OF NURSING HOMES.

There are 2 Nursing Homes in the Borough registered under the Public Health Act, 1936. Beds available in these homes total 25.

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS AND ILLEGITIMATE INFANTS, HOMELESS CHILDREN, AND OTHER CHILDREN.

Under the above provisions, the following work was done during the year.

Tynemouth Moral Welfare Association. (Voluntary—Subsidised by Council). Cases investigated 79. Cases placed in homes 3. 1,158 visits were paid and received.

Public Assistance Committee, Tynemouth County Borough.

Admitted to Homes :—Orphans 4 ; Illegitimate Children 2 ; Deserted 4 ; Others 36 ; Total 46.

Admitted to Institution :—Unmarried Mothers 14 ; Illegitimate Children 24 ; Total 38.

INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

The following table shows the Institutions used by the Local Authority and the number of patients under treatment at the 31st December, 1946.

		Prudhoe Hall Colony. Northumb'land N.E. Co. Boro Joint Board.	Harton Poor Law Institution. South Shields Co. Boro.	*Howbeck House Poor Law Institution. W. Hartlepool Co. Boro.	Durran Hill House, Carlisle. R.C. Certified Institution.	Mosside State Inst'n., Maghull, Liverpool, Board of Control for violent cases.
Feeble-minded	M.	29	2	—	—	2
	F.	22	—	1	—	—
Imbeciles	M.	12	2	—	—	—
	F.	6	—	—	1	—
Idiots	M.	1	—	—	—	—
	F.	1	—	—	—	—

* Part of premises a certified institution.

Mental Defectives are also admitted from time to time to Preston Road Institution, North Shields as a "place of safety" pending removal to an approved Institution.

In addition the following cases are under Statutory Supervision :—

Males 37 ; Females 41 ; (Together with 9 cases on leave of absence on licence in the Borough). There are also 3 cases under Guardianship in the Borough.

BLIND PERSONS.

The total number of blind persons on the Register at the end of the year was 140. Under Section 176 of the Public Health Act, 1936, for the prevention of blindness and for the treatment of eye diseases or injury, 21 primary examinations were carried out, 13 of these cases were found to be blind within the meaning of the Blind Persons Act and 8 were found to be not blind. 9 re-examinations were made and 8 of these cases were de-certified.

MATERNITY AND CHILD WELFARE.

MARGARET B. STEEL, M.B., Ch.B., D.P.H.,
Maternity and Child Welfare Medical Officer.

MUNICIPAL MIDWIFERY SERVICE.

This scheme, instituted in accordance with the provisions of the Midwives Act, 1936, has continued to give satisfactory service throughout the period under review, during which time 460 births were attended by Municipal Midwives, who attended 429 as Midwife, and 31 in the capacity of Maternity Nurse.

The daily Ante-Natal Clinics, held at the Public Health Department, at which the Municipal Midwives attend on set days for the convenience of their own patients, were quite well attended, and a total of 637 new cases were examined. Abnormalities found to be present in the condition of a patient are immediately reported by the Maternity and Child Welfare Medical Officer to the patient's own medical practitioner, and during 1946 there were 17 such cases reported.

Ante-Natal Clinics were also held at the Tynemouth Victoria Jubilee Infirmary, and at Preston Hospital, for the convenience of patients booking at these Institutions, and the following table shows the total Ante-Natal Clinical Attendances for the year.

Centre.	Total New Cases.	Total Attendances.	Average Attendances.
Municipal Clinic ...	637	3,810	6.00
Preston Hospital ...	849	4,382	5.16
T.V.J. Infirmary ...	66	215	3.25
Totals	1,552	8,407	5.41

41 Midwives notified their intention to practice in the County Borough of Tynemouth Area, in addition to the eight Midwives engaged in the Municipal Midwifery Service, and a total of 1,958 cases were attended, 463 of which were attended as Maternity Nurse.

A summary of attendances is given below :—

Municipal Midwives attended as	midwife	429	} 460
" " " "	maternity nurse...	31	
Institutional Midwives	" midwife	879	} 1481
(Preston Hosp, T.V.J.I. and Frater Home)	" maternity nurse...	602	
Private Midwives	" midwife	7	} 17
" " " "	" maternity nurse...	10	

MEDICAL AID.

In accordance with the regulations of the Central Midwives' Board, Medical Aid was summoned in 162 cases, 137 for the Mother, and 25 for the Child.

NOTIFICATION OF BIRTHS.

A total of 1,959 births were registered during the year (1,915 live and 44 stillbirths), and were notified as follows :—

Notified by Doctors ...	...	...	49
Notified by Midwives ...	...	...	1,907
Notified by Others ...	...	...	3

7 births were not notified, but immediately on the requirements of the Notification of Births Act being brought to the notice of the persons concerned, these were officially intimated.

PUERPERAL PYREXIA.

2 cases were notified during the year, 1 of which was admitted to Hospital.

Of the total cases notified :—

Nil were attended at birth by Midwives.

2 „ „ „ Doctors.

None of these cases attended Ante-Natal Clinics.

POST-NATAL CLINICS.

No special Post-Natal Clinics are held at the Public Health Department, as patients prefer to attend the Child Welfare Clinics held three times per week, during the afternoon, when they attend with their children. Opportunity has been given during the past year for mothers to make Post-Natal enquiries at these afternoon sessions, and a fair average of cases have been examined, and advice given.

ULTRA-VIOLET LIGHT CLINICS.

Clinics are held twice each week at the Public Health Department. Conditions treated during the past year were, Rickets 5 ; Debility and Anaemia 15 ; Other Causes 21 ; a total of 41 cases, who made 986 attendances.

MILK (MOTHERS AND CHILDREN) ORDER.

A Dried Milk Depot, administered by the Local Authority, and assisted by Voluntary Workers, is in operation, and provides for necessitous pregnant and nursing mothers, and children under 1 year of age. During the year a total of 30,971 lbs. of Dried Milk was distributed at cost price.

The total amount expended by the Local Authority on the purchase of Dried Milk during the year was £3,271. 0s. 0d. In addition under the National Dried Milk Scheme 13,292-20 oz. tins were distributed.

8,141 bottles of Cod Liver Oil, 42,681 bottles of Orange Juice and 2,353 packets of Cod Liver Oil Capsules, were also distributed.

CHILD WELFARE.

Three Clinics are held weekly for the weighing of children, whilst consultations concerning the health and feeding, together with general advice, are given to mothers.

Treatment for ear, nose and throat conditions are now referred to the E.N.T. Hospital, Rye Hill, Newcastle. Treatment for defective vision is given at the Schools' Clinic and facilities are available for the provision of prescriptions for spectacles. Dr. R. M. White (deputy M.O.H.) has, since the retirement in February, 1943, of Dr. J. McConnell, carried out the duties of Acting Schools Medical Officer and has been assisted by Dr. Margaret B. Steel (Maternity and Child Welfare Officer). At the Tynemouth Victoria Jubilee Infirmary, cases of Dental caries are also treated. Minor operative or any surgical treatment is also available at the Out-Patient Department of this Infirmary.

CARE OF PREMATURE INFANTS.

Out of a total number of 51 notified cases of prematurity, 38 were born in hospital, where facilities were available for their adequate care.

CARE OF ILLEGITIMATE CHILDREN.

As in previous years special attention has been given by the Health Visiting staff to the close supervision of this class of children. In addition the Visitor of the Tynemouth Moral Welfare Association has devoted much time to the surveillance of homes where there are illegitimate children.

PROMOTION OF CLEANLINESS AMONGST YOUNG CHILDREN.

Special attention has been given by the Health Visitors and School Nurses to reduce the incidence of verminous conditions. Much work relating to disinfestation of children is carried out regularly at both the Schools Clinic and at the Maternity and Child Welfare Centre.

HEALTH VISITING AND INFANT HYGIENE.

6,944 visits were made by the Health Visitors during the year, and a summary of these visits is given below :—

Infants under 1 year : First visits 1,218 ; Re-visits 1,819 ...	3,037
Infants between one and five years	3,875
Ante-Natal Cases Visited	32
	<hr/>
	6,944
	<hr/>

The following table shows the number of children on the register and the number of re-visits made during the year in each age group, etc. (Nett births in the area during 1946 numbered 1,358) :—

Age Periods.	Number on Register, December, 1946.	Number of Re-visits made during 1946, by H.V.	Number of attendances at M. & C.W. Centre.	No. of Cases attending for Medical Inspection during 1946.	No. of attendances for Medical Inspection during 1946.
0-1 year ...	684	1,819	5,493	480	932
1-2 „	854	1,146	1,301	293	484
2-3 „		944			
3-4 „		803			
4-5 „		982			

INFANT LIFE PROTECTION.

Infant Life Protection is administered by the Health Visiting staff of the Public Health Department who are assisted in this work by 2 Tuberculosis Nurses, and 3 School Nurses.

Total Number of Child Protection Visitors ...	10
Number of persons or authorities who were receiving children under nine for reward at the end of the year ...	3
Number of Children under nine :—	
(i) at the end of the year...	9
(ii) who died during the year ...	Nil.

Adoption of Children (Regulation) Act, 1939.

Number of persons who gave notice under Section 7 (3) during the year ...	Nil.
Total Number of children “adopted” under the Section during the year ...	Nil.
Number of such children	
(i) Under supervision at the end of the year ...	Nil.
(ii) who died during the year ...	Nil.

NURSERY SCHOOLS.

There are two Nursery Schools in the Borough, administered by voluntary committees. Both schools have places for 80 children.

A war-time Day Nursery which was opened in 1943 and which has accommodation for 36 pre-school children has been utilised to capacity throughout the year. Daily average attendances 32. Dr. Margaret B. Steel, the M. and C.W. Medical Officer, acts as Honorary Medical Advisor to the three establishments.

SANITARY CIRCUMSTANCES OF THE AREA.

WATER.

The water supply for domestic and general use in the County Borough of Tynemouth is provided by the Local Authority's Water Undertaking which is also responsible for the furnishing of water supplies to several other areas in South East Northumberland. The quantity available has, until the year under review, been adequate for all needs.

As a result of the occurrence of unusual intervals of rainfall in the catchment area in the Spring of the year, circumstances indicating an impending shortage became evident in the month of August, during 10 days of which, a limited curtailment of supply was enforced.

The water is derived from two principal sources, namely, an upland moorland catchment area and from springs. Surface water constitutes approximately 75% of the total quantity, the remaining 25% being of spring origin. Both of these sources are situated approximately 25 miles from the Borough. The Surface water is filtered and chlorinated at the works adjacent to the impounding reservoir. The supply is then joined by the spring water some eight miles from the works.

The supply is distributed to the town from six service reservoirs. Of these, three are covered, and three uncovered. Secondary chlorination is carried out at one of the open service reservoirs.

During the year 12 samples of water obtained from the source of domestic supply were examined bacteriologically and 5 samples were investigated chemically.

Of the samples submitted for bacteriological analysis two related to water obtained directly from service reservoirs, whilst the remainder were obtained from piped supplies. In the case of the latter, 5 proved to be unsatisfactory but follow-up samples, and further investigation, proved that the defects were strictly local and were either due to extraneous contamination of the samples, or as a result of contamination originating in the mains, the latter being rectified by flushing.

The results of the chemical analyses were satisfactory in all cases. Of these samples one was submitted specifically for the ascertainment of plumbo-solvency in relation to silver-copper-lead pipe, and another for the investigation of peaty deposit.

Several samples of water were obtained from the bathing pools and from the industrial supply derived from the general supply but delivered through old mains which, for many years, were utilised for supplying water from the river estuary to fish stores, etc.

Specimen results of typical analyses are as follows :—

BACTERIOLOGICAL EXAMINATION.

Date :—7th January, 1946.

Drawn from draw tap in yard through lead service pipe from cast iron main at 21, Beaumont Street, North Shields.

PLATE COUNT.

(a) At 37°C.	(2 days' incubation) :	23 colonies per ml.
(b) At 20°-22°C	(3 days' incubation) :	335 colonies per ml.

PRESUMPTIVE COLIFORM COUNT.

Probable number of coliform bacilli present : 1 per 100 ml. of water.
Bacteriologically, this is a satisfactory sample of water.

CHEMICAL ANALYSIS.

Date received 7-1-46. Sample marked "Drawn from tap in yard supplied through lead service pipe at 21, Beaumont Street, North Shields. 7th January, 1946."

							Parts per 100,000.
Chemical Results :							
Total solids dried at 180°C.	...	...	...	...	...	...	12.0
Chlorine as chlorides	...	...	...	...	...	...	1.42
Free ammonia	...	...	...	...	...	...	0.004
Albuminoid ammonia	...	...	...	...	...	...	0.014
Nitrogen as nitrates	...	...	...	...	...	...	0.06
Oxygen absorbed (4 hours at 80°F.)	...	...	...	...	...	...	0.638
Total hardness	...	...	...	...	...	...	7.0
Permanent hardness	...	...	...	...	...	...	1.5
Temporary hardness	...	...	...	...	...	...	5.5
Lead and Copper	...	...	...	...	...	...	None.
Iron	...	...	...	...	...	...	Trace.
Appearance and Colour	...	...	...	...	...	...	Deep orange brown and clear.
Smell and Taste	...	...	...	...	...	...	Satisfactory.
Microscopical examination of deposit	...	...	...	...	...	...	Satisfactory.
pH value	...	...	...	...	...	...	6.8
Lead Solvency	...	...	...	...	...	...	0.12

Report :—

This sample of water is of satisfactory organic purity and its microscopical characteristics also show it to be of good quality.

It is very similar to previous samples as regards colour, high oxygen absorbed (due to organic matter) and in its action upon fresh, clean lead.

I am of the opinion that the water is suitable for a Public Supply.

(Signed) W. GORDON CAREY.

January, 1946.

The number of dwelling houses supplied from piped water mains is approximately 16,000. It is estimated that 11,500 of these are supplied direct to the house, whilst the remaining 4,500 (approx.) are dependent upon outside taps in yards, etc.

SANITARY INSPECTION OF THE BOROUGH.

To THE MAYOR, ALDERMEN and COUNCILLORS, OF THE
COUNTY BOROUGH OF TYNEMOUTH.

YOUR WORSHIP, LADIES AND GENTLEMEN,

I beg to submit herewith, my Annual Report on the Sanitary Inspection of the Borough for the year 1946.

I take this opportunity of thanking the Health Committee and all colleagues for their helpful co-operation and keen interest in all work undertaken during the year.

Acute difficulty has been experienced in securing the abatement of nuisances and repairs to property, due to priority of labour and materials being given to the erection of new dwellings. It is to be hoped that conditions will improve in the near future as there are considerable arrears of repairs to be carried out, due to the deterioration of property and the considerable amount of War Damage repairs remaining uncompleted.

I have the honour to remain,

Your obedient servant,

C. A. MURRAY, Cert. S.I.B.,

Cert. Meat Inspection,

Senior Sanitary Inspector.

SANITARY INSPECTION.

Total number of inspections made	...	...	...	...	11,104
Total number of re-inspections made	...	...	...	...	4,291

Dwellinghouses.					Inspections.	Re-inspections.
Ordinary	...	...	...	...	292	52
Infectious Diseases	...	...	...	...	272	30
Housing Act (Sec. 9, 10 and 16)	...	...	...	...	91	227
„ (Special Surveys)	...	...	...	...	6	—
„ (Overcrowding)	...	...	...	...	746	19

Sanitary Conveniences.

Water Closets	...	...	...	...	504	128
Privies and Tub Closets	...	...	...	...	69	13
Urinals	...	...	...	...	28	—

Refuse Storage.

Accumulation	...	...	...	...	...	100	41
Ashbins	...	...	...	...	...	130	12
Ash-places	...	...	...	...	...	8	3

Drains.

Inspections	...	...	...	...	...	612	451
Smoke Tests	...	...	...	...	...	39	—
Chemical Tests	...	...	...	...	...	18	3
Water Tests	...	...	...	...	...	18	8
Sewers	...	...	...	...	...	194	66
Cesspools	...	...	...	...	...	—	—

Factories and Workplaces.

Factories with mechanical power	144	2
Factories without mechanical power (excluding Bakehouses, including Stables, Restaurant kitchens, etc.)	...	...	...	...	...	76	5
Bakehouses with mechanical power	...	...	...	...	...	55	—
Bakehouses without mechanical power	...	...	...	...	...	23	1
Outworkers	...	...	...	...	...	3	1

Miscellaneous.

Cinemas	...	...	...	...	...	61	—
Butchers' Shops and Depots	...	...	...	...	...	130	15
Dairies, Milk Shops, Stores and Cowsheds	...	...	...	...	...	368	14
Dangerous Structures	...	...	...	...	...	—	12
Fish Merchants' Shops and Stores	...	...	...	...	...	223	2
Ice Cream Premises	...	...	...	...	...	52	1
Lodging Houses	...	...	...	...	...	25	6
Meetings with Owners or Tradesmen	...	...	...	...	...	560	38
Miscellaneous Visits	...	...	...	...	...	229	12
Offensive Trades, including Fish Frying	...	...	...	...	...	101	7
Piggeries	...	...	...	...	...	66	—
Slaughterhouses, Private	...	...	...	...	...	—	—
Special Notices of Slaughter	...	...	...	...	...	14	—
Smoke Observation	...	...	...	...	...	29	—
Shops Act Inspections	...	...	...	...	...	394	21
Special Visits	...	...	...	...	...	504	2
Sanitary Inspections	...	...	...	...	...	499	19
Visits under Rats and Mice (Destruction) Act	...	...	...	...	...	429	475

Cooked Food Preparers	...	...	...	120	5
Street Gullies	...	...	...	21	5
Yards and Courts	...	...	...	118	25
Streets and Back Roads	...	...	...	17	10
Verminous Premises	...	...	...	86	35
Animals, Poultry, etc.	...	...	...	67	4
Nuisances	...	...	...	786	2,514
Meat and Foods Inspections	...	...	...	451	7
Fish Quay	...	...	...	270	—
Fish Curers	...	...	...	62	—
Premises where work has been carried out by verbal notice	...	...	...	64	—

Complaints.

Matters referred to other Departments	...	...	...	103
Complaints received	...	...	...	1,041
Complaints confirmed	...	...	...	852
Nuisances found...	...	...	...	786

Nuisances and Defects Remedied during 1946.

	Public Health Acts.		Housing Acts.	Tynemouth Corporat'n. Act.
	Informal.	Statutory.	Statutory.	Statutory.
No. of defects remedied under 1945 notices	237	149	70	8
Informal notice defects transferred to statutory notices...	228	—	—	—
No. of defects remedied under 1946 notices...	396	105	188	211
No. of defects outstanding at end of 1946 ...	486	106	962	9

THE FACTORY ACT, 1937.—Inspections.

Type of Premises.	Number of		
	Inspections.	Informal Written Notices.	Occupiers Prosecuted.
Factories with mechanical power	146	3	—
Factories without mechanical power	81	4	—
Other premises under the Act (excluding Outworkers' premises)	—	—	—
Totals	227	7	—

No notices in respect of defects were received from H.M. Inspector of Factories, but the following matters were dealt with by the service of informal notices.

Particulars.	Number of Defects.			No. of defects in respect of which Prosecutions were instituted.
	Found.	Remedied.	Referred to H.M. Inspector.	
Want of cleanliness (S. 1) ...	1	1	—	—
Overcrowding (S. 2) ...	—	—	—	—
Unreasonable temperature (S. 3) ...	—	—	—	—
Inadequate ventilation (S. 4) ...	—	—	—	—
Ineffective drainage of floors (S. 6) ...	—	—	—	—
Sanitary conveniences (S. 7) :—				
Insufficient ...	2	2	—	—
Unsuitable or defective ...	1	1	—	—
Not separate from sexes ...	—	—	—	—
Other offences ...	3	3	—	—
Totals ...	7	7	—	—

There was a total of 243 factories on the Register at the end of the year, 167 with mechanical, and 76 without mechanical power.

OUTWORKERS.

Three notices under Section 110 of the Factories Act, 1937, were received during the year, and on inspection, the premises were found to be in a satisfactory condition.

MEANS OF ESCAPE IN CASE OF FIRE.

Under the provisions of Section 34 (1) factories of certain categories are now required to be certified by the Council as having adequate means of escape in case of fire. 2 certificates were issued during the year.

BAKEHOUSES.

There were 46 premises on the Register at the end of the year, all of which were inspected regularly. It was not necessary to serve any notices during the year.

SHOPS ACT, 1934 (Section 10).

Under the provisions of the above Act, 435 visits were made to inspect sanitary conveniences and other arrangements for the welfare of the assistants.

ASHPITS.

There are 14 ashpits, 53 privy ashpits and 22 wet pails in the Borough.

RAT AND MICE (DESTRUCTION) ACT, 1919.

During the year, 894 visits were made to 420 premises for the purpose of ascertaining rat infestation. 14 notices were served with successful results, in certain difficult cases. The remedy of drainage and structural

defects, together with the use of traps, poison bait, etc., resulted in the majority of the premises being cleared. All work has been carried out by the Sanitary Inspectors, with the help of two trained operators from the Borough Surveyor's Department.

The Second and Third Maintenance treatments of the sewers were also carried out during the year, between the 13th June and 12th July, and 25th November and 31st December, 1946. These consisted of two days pre-bait, one day poison bait, and a fourth day visit to ascertain the amount of bait consumed. The estimated kill for the two treatments, when 2,447 manholes were baited was :—

Second Maintenance treatment	...	9,112	calculated kill.
Third Maintenance treatment	...	7,094	„ „
<hr/>			
Total	...	16,206	„ „

Simultaneous with both sewer Maintenance treatments, a Block Control treatment to Fish Quay premises was carried out and resulted in the following calculated kills :—

First Treatment	...	877	calculated kill.
Second Treatment	...	390	„ „
<hr/>			
Total	...	1,267	„ „

During November, a survey was made by officials and experts of the Ministry of Food of the oldest parts of the Town, including a large percentage of premises where foodstuffs are stored, and in their report to the Council, it was stated that, whilst the Fish Quay area was classified as a major infestation, the remainder of the area revealed only a small infestation. Whilst the degree of infestation found does not warrant the setting-up of a large full-time organisation, the Council have agreed that an additional Sanitary Inspector be appointed in order that more time may be devoted to the question of dealing with rats in the Borough.

Since the commencement of the Sewer Treatment in 1944, which was applied simultaneously by all Local Authorities in the area, known infestation has decreased considerably. This is reflected in the number of complaints received annually falling from 247 in 1944, 179 in 1945 and 116 in 1946. In 27 cases, traps were lent, and a total of 72 rats and mice caught and the premises cleared.

During the year, Corporation owned properties, including tips were treated, and privately owned works and other premises carried out treatments either by direct labour or by servicing companies. With regard to Corporation tips, these are regularly treated by the Cleansing Department, using Cyanide Gas treatment. Controlled tipping keeps the infestation to a minimum. Farms and small holdings are supervised by the War Agriculture Committee (Rodent Officer) and, as far as the shortage of labour permits, have received attention. Business premises with a high risk of infestation have been visited and satisfactory methods of extermination are in operation in all cases.

ERADICATION OF BED BUGS.

(1)	(a)	Number of Council Houses	...	...	...	4
	(b)	Number of Other Houses	...	...	...	18
	(c)	Total number of Houses infested	...	...	...	22
	(d)	Number of Houses de-infested	...	...	...	22

(2) The methods employed for freeing infested houses from Bed bugs :—Spraying with Insecticide after preparation of room e.g., stripping off wallpaper and removing skirting boards, etc., Infested bedding de-infested by Steam disinfectant.

(3) The methods employed for ensuring that the belongings of tenants are free from vermin before removal to Council Houses :—The dwellings, furniture and effects of all prospective Corporation tenants are inspected for evidence of vermin.

Six hours concentrated fumigation with Sulphur Dioxide (2.8% S.O.) Gas kept circulating by means of Electric Fans.

(4) Whether the work of deinfestation is carried out by the Local Authority or by a Contractor :—All deinfestation is carried out by experienced men employed directly by the Local Authority.

Deinfestation of privately-owned and occupied property is not carried out by the Department. The services of a Sanitary Inspector are given in an advisory capacity, spray being loaned free of charge, and insecticide sold at cost price.

SEAMEN'S LODGING HOUSES.

There were three Seamen's Lodging Houses on the Register at the end of the year, containing a total of 59 beds. 21 visits were made during the year. The Chief Constable also made inspections during the year and reported his satisfaction.

THEATRES, MUSIC HALLS, etc.

21 inspections were made in connection with ventilation, sanitation or cleanliness of cinemas. The Chief Constable, who is the Inspector of Public Buildings has also had inspections made and has reported no complaints of defects or irregularities to this Department.

RAG FLOCK ACT, 1911 AND 1928.

No samples were obtained during the year.

OFFENSIVE TRADES.

Regular inspections have been made on premises at which Offensive Trades are carried on, and the Regulations have been strictly enforced. A list of Offensive Trades registered in this Borough is given below :—

Tallow Melting	...	...	...	1
Fish Liver Boiling	...	...	...	1
Fish Meal Manufacture	...	...	...	1
Tripe Boiling	...	...	...	5
Fish Manure Manufacture	...	...	...	1
Gut Scraping	...	...	...	1
Fish and Potato Frying	...	...	...	31
Total				41

INSPECTION AND TESTING OF DRAINS.

The total number of tests made during the year was 75 of which 39 were Smoke Tests, 18 Chemical Tests and 18 Water Tests. The drains and sanitary conveniences of new buildings are dealt with by the Borough Surveyor's Staff.

HOUSING.

There were 111 new dwellings erected under the Corporation Housing Scheme during the year.

NEW HOUSES ERECTED DURING 1946.

(A) Total number of Houses Erected :—					
(1)	By the Local Authority	...	...	...	111
(2)	By other Local Authorities	...	...	...	Nil.
(3)	By other bodies or persons	...	...	...	36
(B) Houses erected with State Assistance under the Housing Acts (Included in A above).					
(1) By the Local Authority :—					
(a)	For the purpose of Part II of the Act (1925)	...	...	...	Nil.
(b)	Do. Part III do.	...	...	...	Nil.
(c)	For other purposes	...	...	...	Nil.
(d)	Housing Act, 1936	...	...	...	111

Additional to the foregoing are houses rebuilt after being totally destroyed by enemy action :—

(a)	By Local Authority	...	...	...	...	46
(b)	By other bodies or persons	...	...	...	...	11

The above information has been supplied by the Borough Surveyor.

I.—Inspection of Dwellinghouses during the Year.

(1) (a)	Total number of dwellinghouses inspected for housing defects under Public Health or Housing Acts	...	...	...	...	909
(b)	Number of inspections made for the purpose	...	...	...	...	909
(2) (a)	Number of dwellinghouses included under sub-head (1) above which were inspected and recorded under the Housing Consolidation Regulations, 1925-1932	...	...	...	...	78
(b)	Number of inspections made for the purpose	...	...	...	...	78
(3)	Number of dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	...	7
(4)	Number of dwellinghouses (exclusive of those referred to under the preceding sub-head) found not to be in all respects, reasonably fit for human habitation	...	...	...	...	902

II.—Remedy of Defects during the Year without Service of Formal Notice.

Number of defective dwellinghouses rendered fit in consequence of informal action by the Local Authority or their Officers	248
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III.—Action under Statutory Powers during the Year.**(A) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936.**

(1) Number of dwellinghouses in respect of which notices were served requiring repairs... ..	78
(2) Number of dwellinghouses which were rendered fit after service of formal notices :—	
(a) By Owners	16
(b) By Local Authority in default of Owners ...	Nil.

(B) Proceedings under Public Health Acts.

(1) Number of dwellinghouses in respect of which notices were served requiring defects to be remedied ...	320
(2) Number of dwellinghouses in which defects were remedied after service of formal notices :—	
(a) By Owners	123
(b) By Local Authority in default of Owners ...	143

(C) Proceedings under Sections 11 and 13 of the Housing Act, 1936.

(1) Number of dwellinghouses in respect of which Demolition Orders were made	Nil.
(2) Number of dwellinghouses demolished in pursuance of Demolition Orders	Nil.

(D) Proceedings under Section 12 of the Housing Act, 1936.

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ...	7
(2) Number of separate tenements or underground rooms in which Closing Orders were determined, the tenement or room having been rendered fit	Nil.

HOUSING ACT, 1936.—PART IV.—OVERCROWDING.

As a result of war conditions, it is impossible to give any accurate statement on the position of overcrowded families in the Borough. A survey of overcrowded houses was authorised in October, and preliminary clerical work by four temporary enumerators was commenced before the end of the year. Outdoor work will commence early in the New Year.

INSPECTION AND SUPERVISION OF FOOD.**MILK SUPPLIES.**

There were 11 Cowkeepers with 21 cowsheds housing 218 cows on the Register at the end of the year, 5 of whom are Licenced producers of "Accredited" Milk.

During the year, Veterinary Inspectors of the Ministry of Agriculture and Fisheries examined the herds of 3 "Accredited" Producers on 3 occasions, and 2 on 4 occasions, whilst of the herds of 6 ordinary Producers, 3 were examined on 2 occasions and 2 on 1 occasion.

101 visits were made to cowsheds and 382 visits were made to dairies, milk shops, etc., and all infringements of the Milk and Dairies Acts and Orders were dealt with satisfactorily.

Consignments of milk coming into the Borough by road or rail and the condition of the empty churn returned received attention. The keeping qualities of milk from certain outside sources has seriously deteriorated due to difficulties both in production and transport.

Milk Retailers.

Applications for registration received	...	...	...	5
Applications for registration granted	...	...	...	5
Number of Milk Dealers on the Register	...	...	...	172
Dairy premises registered during the year	...	...	...	1
Producers and cowkeepers, wholesale dealers, registered during 1946	...	...	...	Nil.
Applications withdrawn	...	...	...	Nil.
Retailers relinquishing registration	...	...	...	8

MILK (SPECIAL DESIGNATIONS) ORDER.

The following table gives the various grades for which licences were granted :—

Dealers' Licences to sell Tuberculin Tested Milk	...	...	3
Supplementary Licences to sell Tuberculin Tested Milk...	...	...	3
Producers' Licences for Accredited Milk	...	...	5
Supplementary Licences for Accredited Milk	...	...	Nil.
Dealers' Licences to sell Accredited Milk	...	...	Nil.
Dealers' Licences to sell Pasteurised Milk	...	...	9
Supplementary Licences to sell Pasteurised Milk...	...	...	1
Dealers' Licences to bottle Tuberculin Tested Milk	...	...	4
Dealers' Licences to bottle Accredited Milk	...	...	1

MILK SAMPLES FOR BACTERIOLOGICAL EXAMINATION.

During the year, 81 samples of Milk were taken for examination and submitted to the Public Health Laboratory, Newcastle. Of the total samples taken 48 were from sources within the Borough, and 33 from outside. In addition, 4 samples of Pasteurised Milk were submitted to the Public Analyst for the Phosphatase Test.

Of the above, 74 samples were examined for Tubercle Bacilli, none of which gave positive results.

The following table sets out details of the examinations carried out.

RESULTS OF BACTERIOLOGICAL EXAMINATIONS OF MILK.

				Total.	Passed.	Failed.
Accredited Milk.	Methylene Blue Test	...	...	23	22	1
	Coliform Test	...	...	9	9	—
	Tubercle	...	...	29	29	—
	Plate Count	...	...	7	7	—
Pasteurised Milk.	Plate Count	...	...	7	7	—
	Tubercle	...	...	7	7	—
	Phosphatase Test	...	...	4	4	—
	Coliform Test	...	...	3	3	—
Ordinary Milk.	Coliform Test	...	...	37	29	8
	Methylene Blue Test...	...	...	2	2	—
	Plate Count	...	...	37	29	8
	Tubercle	...	...	34	34	—
Tuberculin Tested Milk.	Plate Count	...	...	5	5	—
	Tubercle	...	...	4	4	—
	Coliform Test	...	...	5	4	1
	Total Graded Milks	...	...	103	102	1
	Total Ordinary Milks	...	...	110	94	16
	Total Tests Made	...	...	213	196	17

The producers of unsatisfactory samples in this area, were visited, cautioned and given advice, whilst those outside the area were notified, together with the Local Authorities concerned.

BACTERIOLOGICAL EXAMINATION OF ICE-CREAM.

With the recommencement of the manufacture and sale of Ice-Cream, samples of this commodity were taken regularly.

Whilst the majority of these samples were unsatisfactory, it is unfortunate that, in the absence of any "standard," no action can be taken other than strict supervision to ensure cleanliness of raw materials and utensils.

It is to be hoped that with the advent of the proposed Regulations regarding the Heat Treatment of this product, a standard will be devised, and an improvement in the general standard of purity obtained.

TYNEMOUTH CORPORATION ACTS, 1916-1934.

Regulations made under the Acts are in force, and no persons are permitted to use premises for the preparation of food unless they are registered by the Local Authority, who have power to refuse registration if, in their opinion, the premises are unsatisfactory.

There were 44 persons in the Borough registered as occupiers of premises in which Ice Cream is sold or manufactured. 91 persons are registered as owners or occupiers of premises in which Preserved Meat, Fish Cakes, or other foods are prepared. These figures do not include premises used for the business of Fish and Potato Frying.

178 visits were made during the year to supervise and emphasise the need for cleanliness in the handling of food. No serious negligence was discovered.

FOOD AND DRUGS.

MILK AND CREAM REGULATIONS, 1912-1927.

- (1) Milk and Cream not sold as Preserved Cream. The following samples were examined for the presence of a preservative: Milk 97; Cream Nil; and Tinned Cream Nil. No preservatives were reported to be present in any of the foregoing samples.
- (2) Thickening Substances. No evidence was found of any addition of thickening substances to Cream during the year.

ARTIFICIAL CREAM ACT, 1929.

There were no samples taken under this Act during the year.

SALE OF FOOD AND DRUGS ACT, 1938.

SAMPLES TAKEN FOR CHEMICAL ANALYSIS.

TABLE I.

Articles Analysed.	Total.	No. of Samples taken for Analysis.		No. found to be Adulterated.		Percentages of Samples Adulterated.	
		In-formal	For-mal.	In-formal	For-mal.	In-formal	For-mal.
Anchovy Paste	2	2	—	—	—	%	%
Baking Powder	3	3	—	1	—	33.33	—
Barley	1	1	—	—	—	—	—
Beef	1	1	—	—	—	—	—
Black Pepper	1	1	—	—	—	—	—
Bloater Paste	2	2	—	1	—	50.00	—
Butter	7	6	1	1	—	16.67	—
Cheese	6	6	—	—	—	—	—
Choc. Flavoured Semolina	1	1	—	1	—	100.00	—
Cinnamon	1	1	—	—	—	—	—
Cocoa	2	2	—	—	—	—	—
Coffee and Chicory	4	3	1	1	—	33.33	—
Cooking Fat	1	1	—	—	—	—	—
Crab Paste	1	1	—	—	—	—	—
Crab & Lobster Paste	1	1	—	1	—	100.00	—
Crab & Tomato Paste	1	1	—	1	—	100.00	—
Fish Cakes	5	4	1	1	—	25.00	—
French Coffee	4	3	1	1	1	33.33	100.00
Ground Ginger	2	2	—	—	—	—	—
Herring & Tomato Paste	1	1	—	—	—	—	—
Ice-cream	1	1	—	1	—	100.00	—
Lard *	6	6	—	—	—	—	—
Linseed	1	1	—	—	—	—	—
Lobster Paste	2	2	—	—	—	—	—
Macleane's Powder	1	1	—	—	—	—	—
Malt Vinegar	3	3	—	—	—	—	—
Margarine	7	7	—	—	—	—	—
Milk, New	73	—	73	—	8	—	8.22
Milk, Pasteurised	8	—	8	—	—	—	—
Milk, Sterilised	16	—	16	—	—	—	—
Milk, Evaporated	1	1	—	—	—	—	—
Milk, Full Cream Sweetened	1	1	—	—	—	—	—
Milk, Full Cream Unsweetened	1	1	—	—	—	—	—
Milk, Machine Skimmed Sweet	5	5	—	—	—	—	—
Mixed Spice	1	1	—	—	—	—	—
Mustard Compound	1	1	—	—	—	—	—
Nutmeg	1	1	—	—	—	—	—
Sardines	2	2	—	—	—	—	—
Semolina	2	2	—	—	—	—	—
Sweetened Orange Beverage	1	1	—	1	—	100.00	—
Totals	181	80	101	11	9	13.75	8.91

The Chemical Analyses of the foregoing samples were carried out by the Public Analyst to the County Borough of Tynemouth Corporation, Mr. W. Gordon Carey, 10, Dean Street, Newcastle upon Tyne.

PARTICULARS OF ADULTERATED SAMPLES.

TABLE II.

No.	Article.	Defect.	Action Taken.
26	Coffee and Chicory ...	Deficient in Coffee to the extent of 36.69%.	Letter of caution sent to Manufacturer.
40	Bloater Paste	Deficient in Fish content to the extent of 9.2%.	Sample packed prior to the Meat Products, Canned Soup and Canned Meat (Control and Maximum Prices) Order, 1944. No further action taken.
41	Chocolate Flavoured Semolina	Infested with living flour mites.	Remainder of stock condemned and destroyed.
55	Crab and Tomato Paste.	Deficient in Fish content to the extent of 27.6%.	Sample packed prior to the Meat Products, Canned Soup and Canned Meat (Control and Maximum Prices) Order, 1944. No further action taken.
56	Crab and Lobster Paste	Deficient in Fish content to the extent of 12.3%.	Sample packed prior to the Meat Products, Canned Soup and Canned Meat (Control and Maximum Prices) Order, 1944. No further action taken.
71	New Milk ...	Deficient in Non-fatty solids to the extent of 3.0%.	Letter of caution sent to producer.
72	New Milk ...	Deficient in Non-fatty solids to the extent of 1.7%.	Letter of caution sent to producer.
75	New Milk ...	Deficient in Non-fatty solids to the extent of 3.2% and in Milk fat to the extent of 2.6%.	Letter of caution sent to producer.
76	New Milk ...	Deficient in Non-fatty solids to the extent of 3.7%.	Letter of caution sent to producer.
83	Butter ...	Contained 6.22% excess water.	Imported. Butter was as received from Ministry of Food. Firm cautioned.

TABLE II.—*Continued.*

No.	Article.	Defect.	Action Taken.
95	New Milk ...	Deficient in Milk fat to the extent of 16.0%.	Producer appeared before Health Committee and was cautioned.
98	New Milk ...	Deficient in Non-fatty Solids to extent of 5.0%.	Producer appeared before Health Committee and was cautioned.
123	New Milk ...	Deficient in Milk fat to the extent of 16.3%.	Producer prosecuted. Fined £2.
133	New Milk ...	Deficient in Milk fat to the extent of 9.3%.	Letter of caution sent to producer.
142	Ice-cream ...	Contained 0.02% Saccharine.	Warning issued to all Ice-cream manufacturers.
152	Sweetened Orange Beverage.	Contained 15.7% Magnesium Sulphate.	Manufactured under Ministry of Food licence. No action taken.
157	French Coffee.	Deficient in Coffee to extent of 19.6%.	See formal follow-up sample No. 173.
168	Baking Powder.	Deficient in available Carbon Dioxide to the extent of 2.5%.	No further stocks available. Letter of caution sent to the manufacturer.
173	French Coffee.	Deficient in Coffee to the extent of 14.7%.	Letter of caution sent to manufacturers.
175	Fish Cakes.	Deficient in Fish Content to the extent of 12.8%.	Follow-up sample genuine. Letter of caution sent to manufacturer.

PUBLIC HEALTH (CONDENSED MILK) REGULATIONS, 1923-1927.

There were 7 samples examined during the year under these regulations.

PUBLIC HEALTH (DRIED MILK) REGULATIONS 1923-1927.

No samples were taken under these regulations during the year.

PUBLIC HEALTH (PRESERVATIVES IN FOOD) REGULATIONS, 1925-1927.

181 samples were examined during the year, and in no case was any infringement of the regulations discovered.

INSPECTION OF MEAT AND OTHER FOODS.

Slaughterhouses.

There now remain 15 private slaughterhouses, which are subject to annual Licence. Since the operation of the Livestock (Restrictions on Slaughtering) Order 1940, all slaughtering is now centralised at Whitley Bay under Government Control, and deliveries of meat are made direct to the butchers' shops.

30 cases of special slaughter of pigs for home consumption were authorised under a Licence by the Local Officer of the Ministry of Food, and the carcasses and organs were inspected.

Inspection of Meat.

145 visits were made to butchers' shops. There are no open stalls used for the sale of meat.

SWINE FEVER.

One case of suspected Swine Fever was reported to the Ministry. The one outbreak was confirmed by the Veterinary Inspectors and resulted in the slaughter and destruction of three pigs.

FISH.

During the season, a large number of boats were engaged in herring fishing, and the catches were usually landed and dealt with the same day. All catches were dealt with at the Corporation Fish Quay, and the quality of fish landed has been well maintained.

Mr. J. Coxon Fry, Quay Master, has kindly placed at my disposal the following figures showing the volume and value of the trade done during the year 1946:—

White Fish	...	...	454,892 cwts.	...	...	£1,034,266
Herring	...	...	44,514 cwts.	...	...	£180,089
Salmon and Trout	...	...	16,714 lbs.	...	...	£3,552

TOTAL AMOUNT OF UNSOUND FOOD CONDEMNED.

Food.	Tons.	Cwts.	Qtrs.	Lbs.	Ozs.
Bacon	—	5	0	14	4
Rabbits	—	2	3	19	8
Fish	13	3	2	21	0
Shellfish	3	17	3	12	0
Milk (Tinned)	—	3	0	4	12
Meat (Tinned)	—	19	2	22	12 ³ / ₄
Fish (Tinned)	5	6	0	18	6 ¹ / ₄
Other Tinned Goods	5	5	1	26	2 ¹ / ₂
Miscellaneous Groceries	1	19	1	14	13 ¹ / ₂
Bread	6	13	2	5	8
Total	37	16	3	19	3

SWIMMING BATHS.

There are two open-air swimming pools in the Borough.

- (1) **Tynemouth Bathing Pool** :—The sea water is subject to continuous filtration and chlorination treatment. A sample taken for Bacteriological examination was found satisfactory.
- (2) **Hawkey's Lane Swimming Baths**.—Previously a salt water bath, a change to fresh water was made at the beginning of the season. The water is subjected to chlorination by the addition of a chlorinating agent. As the five samples taken during the year proved unsatisfactory, it is hoped that the installation of a continuous filtration and chlorination plant, now on order, will be completed before the commencement of the 1947 season.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

MEASLES AND WHOOPING COUGH.

The following table shows the number of deaths from Measles (including German Measles) and Whooping Cough (Registrar General) together with the number of notifications received during the year.

Whooping Cough :—

Cases Notified	...	...	...	187
Deaths at all ages	...	...	...	1

Measles :—

Cases Notified	...	...	...	748
Deaths (including German Measles) at all ages	...	...	...	1

DIARRHOEA AND ENTERITIS.

During the year there were 5 deaths of children under 2 years of age, which is equal to a mortality rate of 3.68 per 1,000 live births.

The mortality rate for England and Wales, and the Great Towns were 4.4 and 6.1 respectively.

OPHTHALMIA NEONATORUM.

No cases were notified during the year.

4 cases of Discharging Eyes were attended by the Nursing Association who made 38 visits.

PEMPHIGUS NEONATORUM.

During the year, no cases of Pemphigus Neonatorum were notified.

FOOD POISONING.

There were no cases reported during the year.

NOTIFIABLE DISEASES (other than Tuberculosis) DURING THE YEAR 1946.

(Summary of Quarterly Returns on Ministry Form 118d).

Civilian Cases Only.

Period.	Scarlet Fever.		Diphtheria.		Whoop'g Cough.		Measles.		Acute Polio myelitis		Acute Pol. Enc'ph		Ent'ric Typh.		Para Typh.		Acute Pneumonia.		Dysentery.		Cerebro Sp. Fever.		Acute Enc Leth.		Erysip.		Small Pox		Other.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
FIRST QUARTER	13	10	14	17	4	6	...	2	...	...	...	...	...	...	...	...	1	6	...	...	...	...	...	...	3	4	...	...	...	2
SECOND QUARTER	7	12	2	10	22	22	...	5	...	...	...	...	...	...	...	...	6	2	...	...	...	...	...	...	2	3	...	...	...	...
THIRD QUARTER	2	10	3	3	33	35	13	10	1	1	...	...	...	...	...	...	2	1	...	...	...	...	...	...	10	1	...	...	...	...
FOURTH QUARTER	3	7	7	7	28	37	364	354	...	...	...	...	...	1	...	...	4	2	...	...	...	...	...	...	7	2	...	...	...	...
TOTALS	25	39	26	37	87	100	377	371	1	1	...	...	...	...	...	...	13	11	...	...	...	...	...	...	22	10	...	...	...	2
	64		63		187		748		2		...		1		...		24		...		1		...	32		...		...	2	
ADMITTED HOSPITAL	29		62		...		3		...		...		...		...		...		...		1		...	...		...		...		...
DEATHS	1		1		2		1		...		...		...		...		27		...		1		...	...		...		...		...

IMMUNISATION.

The scheme for the Immunisation against Diphtheria of the child population, has been fairly well supported by parents.

In conjunction with the staff of the Education Department, scholars were immunised at the Schools Clinic, whilst Pre-School children were immunised at the Maternity and Child Welfare Centre, a total of 724 children being immunised under the scheme during the year, 63 of which were School Children, whilst 661 Pre-School Children were immunised. 58 children of all ages were given reinforcing injections.

It is estimated that, at 31st December, 1946, 67% of the child population, i.e. children under 15 years of age had been immunised.

DISINFECTION OF PREMISES AND ARTICLES OF CLOTHING.

The following table shows the number of rooms disinfected and the number of articles of clothing removed and disinfected at Moor Park Hospital Disinfecting Station during the year.

Disease.							Rooms.	Articles of Clothing.
Diphtheria	...	...	...	...	...	...	63	960
Scarlet Fever	...	...	...	...	...	...	63	661
Tuberculosis	...	...	...	...	...	...	34	303
Vermin	...	...	...	...	...	...	31	112
Measles	...	...	...	...	...	...	2	17
Other Diseases	...	...	...	...	...	...	10	23
Total							203	2,076

CANCER.**Deaths and Death Rates from Cancer.**

	1905 -09	1910 -14	1915 -19	1920 -24	1925 -29	1930 -34	1935 -39	1940 -44	1945	1946
Deaths	185	244	287	319	315	403	474	529	95	122
Death Rate per 1,000 living ...	0.67	0.82	1.00	0.99	0.95	1.23	1.42	1.89	1.62	1.91
Proportion of deaths per 1,000 deaths from all causes	37	51	56	72	74	99	117	125	119	153

Provision for the early diagnosis and treatment of cases of cancer is made through the facilities afforded by the North of England Joint Cancer Committee of which Tynemouth is a constituent member, and through the medium of the general hospitals in the Borough.

VACCINATION.

The following table gives the figures relating to the Vaccination of Infants in the Borough, for the year 1945, under the Vaccination Acts.

Births.	Vacci- nated success- fully.	Insus- ceptible	Died un- vacci- nated.	Consci- entious Objec- tors.	Post- poned by Medical Certifi- cate.	Re- moved	Unac- count- ed for.	Percentage not vaccinated including columns 5, 6, 7 & 8.
1	2	3	4	5	6	7	8	9
1565	509	1	86	740	—	120	109	61.9

TUBERCULOSIS.**New Cases and Mortality from Pulmonary and Non-Pulmonary Forms of Tuberculosis during 1946.**

Age Periods.	New Cases.				Deaths (Registrar-General).			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	1	—	—	—	1
1- 5 ...	—	—	1	—	—	—	—	—
5-10 ...	1	—	3	1	—	—	—	—
10-15 ...	—	—	—	1	—	—	—	—
15-20 ...	6	3	2	1	16	8	3	2
20-25 ...	4	3	—	1				
25-35 ...	12	4	1	1				
35-45 ...	13	3	1	—	11	8	—	—
45-55 ...	10	3	—	—				
55-65 ...	4	2	1	—				
65 and over...	2	1	—	—	1	1	—	—
Totals ...	52	19	9	6	28	17	3	3

(1) **Pulmonary Tuberculosis** :—Deaths 45 ; mortality rate per 1,000 of the population is equal to 0.76.

(2) **Non-Pulmonary Tuberculosis** :—Deaths 6 ; mortality rate per 1,000 of the population is equal to 0.09.

TUBERCULOSIS.—MAINTENANCE ALLOWANCES.

During the year under review 36 cases of Pulmonary Tuberculosis were in receipt of maintenance allowances.

TYNEMOUTH CARE COMMITTEE.

Mr. H. W. Welch, the Hon. Financial Secretary of the Tynemouth Care Committee reports that during the past year, the number of cases assisted was 10. Of this number 8 were granted extra nourishment, consisting of special quantities of milk, to approved cases of Tuberculosis. The other 2 cases were supplied with surgical appliances.

The income of this Committee consists of an annual grant from the Tynemouth Corporation and from donations received from the Employees of the Newcastle and Gateshead Gas Co., and the Employees of Messrs. Smith's Dock Co. (Hospital Committee).

Grateful thanks are expressed to these donors.

ULTRA-VIOLET LIGHT THERAPY.

The total number of patients treated at the Clinic during the year was 107, made up of 20 adults and 87 children, the result of the treatment given being as follows :—

8 were discharged, healed or quiescent ; 40 improved ; 5 remained stationary ; and 13 cases ceased to attend, and 41 cases upon which it is too early to report.

REPORT UPON DISPENSARY TREATMENT OF TUBERCULOSIS.

Diagnosis.	Pulmonary.				Non-Pulmonary.				Total.				Grand Total.
	Adults.		Children		Adults.		Children.		Adults.		Children.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
A.— (1) Number of definite cases of Tuberculosis on the Dispensary Register at the beginning of the year	146	77	20	18	6	10	14	16	152	87	34	34	307
(2) Transfers from other Authorities ...	1	—	—	1	—	—	—	—	1	—	—	1	2
(3) Lost sight of cases returned	—	1	—	—	—	—	—	—	—	1	—	—	1
B.— Number of new cases diagnosed as tuberculosis :—													
(1) Class T.B. Minus	14	7	—	2	—	—	—	—	14	7	—	2	23
(2) Class T.B. Plus	16	9	—	—	—	—	—	—	16	9	—	—	25
(3) Non-Pulmonary	—	—	—	—	2	—	3	2	2	—	3	2	7
C.— Number of cases included in A and B written off the Dispensary Register :—													
(1) Recovered ...	9	5	3	5	—	—	1	4	9	5	4	9	27
(2) Dead (all causes)	12	9	—	—	1	—	1	—	13	9	1	—	23
(3) Removed to other Areas ...	5	7	1	—	—	—	—	—	5	7	1	—	13
(4) For other reasons	6	4	4	—	1	4	—	2	7	8	4	2	21
D.— Number of definite cases of Tuberculosis on the Dispensary Register at the end of the year	145	69	12	16	6	6	15	12	151	75	27	28	281

1. Number of attendances at the Dispensary (including contacts) ... 1,359
2. Number of consultations with Medical Practitioners (personal) ... 99
3. Number of visits by Health Visitors to patients' homes ... 1,877
4. Number of visits by Tuberculosis Officers to homes (including personal consultations) ... 4
5. Number of X-Ray examinations made in connection with Dispensary work ... 1,239

VENEREAL DISEASES.

The Centres available for the treatment of venereal diseases are the Joint Committees' Clinic, Newcastle, and the Auxiliary Centre at Preston Hospital, Tynemouth, and at the Public Health Department, for females and children.

The number of persons from Tynemouth treated at the various clinics in the district is given below:—

Disease.	Treatment Centres.			
	Newcastle.	South Shields.	Tynemouth.	Other Centres.
Syphilis	18	1	61	—
Soft Chancre	1	—	13	—
Gonorrhoea	31	5	122	—
Conditions other than venereal	55	3	80	—
Total new cases from Tynemouth	105	9	276	—
Attendances	887	172	7,950	—

The attendances at the Preston Hospital Clinic, and Public Health Department Clinic, Tynemouth made by foreigners and non-residents, not included in the above table, are:—

	Preston Hospital Clinic, Tynemouth.		
	Non-Residents.	Foreigners.	Total.
New Cases	96	105	201
Attendances (all cases) ...	1,915	1,441	3,356

The sources from which specimens, from Tynemouth patients, were sent during 1946 for examination at the Joint Committees Central Laboratory at King's College, Newcastle, and Northumberland County's Laboratory at Newburn, are indicated in the following table:—

Nature of Test.	Tynemouth V.D. Clinics.	Other Centres.	Private Practitioners.
Blood :—Kahn Test	30	—	3
Wasserman reaction	985	3	25
Gonococcal fixation	32	1	—
Cerebro-Spinal Fluid :—			
Wasserman	9	—	1
General examination	8	—	—
Microscopical Examination ...	33	—	7
Totals	1097	4	36

CONTACT TRACING.

Contacts notified on Form I (Regulation 33B) during the period
1st January to 31st December, 1946.

		M.	F.
(1)	(a) Total number of contacts in respect of whom Form I was received	2	22
	(b) Number in (a) Transferred from other areas	Nil.	Nil.
(2)	Number of cases in (1) in which attempts were made during the period outside the scope of the Regulation to persuade the contact to be examined before the latter had been named on a second Form 1 :—		
	Contacts found	1	6
	,, examined or already under treatment	Nil.	5
(3)	(a) Number of those in (1) in respect of whom two or more Forms I were received ...	Nil.	2
	(b) Number included in 3(a) in respect of whom the first Form I was previously reported under (1)	Nil.	Nil.
	(c) Number included in (3)(a) transferred from other areas	Nil.	Nil.
(4)	Number of those in (3)(a) who were :—		
	(a) found	Nil.	Nil.
	(b) examined after persuasion or already under treatment	Nil.	Nil.
	(c) served with Form 2	Nil.	Nil.
	(d) examined after service of Form 2 ...	Nil.	Nil.
	(e) prosecuted for failure :—		
	(i) to attend for, and submit to, medical examination	Nil.	Nil.
	(ii) to submit to and continue treatment	Nil.	Nil.
	(f) transferred to other areas... ..	Nil.	Nil.

TABLE I.

Registrar-General's List of Causes of Death at different periods of life in the County Borough of Tynemouth during 1946.

MALES.

Short List No.	Causes of Death.	Under 1 Year.	1 to 5	5 to 15	15 to 45	45 to 65	65 and over.	Total all Ages.
1	Typhoid and Paratyphoid Fevers	—	—	—	—	—	—	—
2	Cerebro-spinal Fever	1	—	—	—	—	—	1
3	Scarlet Fever	—	—	1	—	—	—	1
4	Whooping Cough	1	—	—	—	—	—	1
5	Diphtheria	—	—	—	—	—	—	—
6	Tuberculosis of Respiratory System	—	—	—	16	11	1	28
7	Other Forms of Tuberculosis... ..	—	—	—	3	—	—	3
8	Syphilitic Disease	1	—	—	—	2	1	4
9	Influenza	1	—	—	—	—	—	1
10	Measles	—	—	—	—	—	—	—
11	Acute Poliomyelitis and Polioencephalitis	—	—	—	—	—	—	—
12	Acute Infectious Encephalitis	—	—	—	—	—	—	—
13	Cancer of Buccal Cavity and Oesophagus	—	—	—	1	2	6	9
14	Cancer of Stomach and Duodenum	—	—	—	—	5	12	17
16	Cancer of all other sites	—	—	—	—	10	21	31
17	Diabetes	—	—	—	—	—	—	—
18	Intra-cranial Vascular Lesions	—	—	—	—	9	30	39
19	Heart Disease	—	—	—	4	42	93	139
20	Other Diseases of the Circulatory System	—	—	—	1	4	7	12
21	Bronchitis	—	—	—	—	14	9	23
22	Pneumonia	4	—	—	1	5	3	13
23	Other Respiratory Diseases	—	—	—	—	5	2	7
24	Ulceration of the Stomach or Duodenum	—	—	—	1	1	2	4
25	Diarrhoea (under 2 years of age)	4	—	—	—	—	—	4
26	Appendicitis	—	—	—	—	—	—	—
27	Other Digestive Diseases	—	—	—	—	4	2	6
28	Nephritis	—	—	—	3	4	6	13
31	Premature Birth	11	—	—	—	—	—	11
32	Congenital Malformation, Birth Injury and Infantile Diseases	16	—	—	1	—	—	17
33	Suicide	—	—	—	1	1	2	4
34	Road-Traffic Accidents	—	1	—	—	—	—	1
35	Other Violent Causes	3	—	1	4	4	1	13
36	All Other Causes	2	1	—	4	3	10	20
	Totals All Causes	44	2	2	40	126	208	422

Deaths under one year of age :—

Legitimate male children ... 39.
 Illegitimate male children ... 5

TABLE II.

Registrar-General's List of Causes of Death at different periods
of life in the County Borough of Tynemouth during 1946.

FEMALES.

Short List No.	Causes of Death.	Under 1 Year.	1 to 5	5 to 15	15 to 45	45 to 65	65 and over.	Total all Ages.
1	Typhoid and Paratyphoid Fevers	—	—	—	—	—	—	—
2	Cerebro-Spinal Fever...	—	—	—	—	—	—	—
3	Scarlet Fever	—	—	—	—	—	—	—
4	Whooping Cough	1	—	—	—	—	—	1
5	Diphtheria	—	1	—	—	—	—	1
6	Tuberculosis of Respiratory System	—	—	—	8	8	1	17
7	Other Forms of Tuberculosis...	1	—	—	2	—	—	3
8	Syphilitic Disease	—	—	—	—	1	—	1
9	Influenza	—	—	—	—	—	2	2
10	Measles	1	—	—	—	—	—	1
11	Acute Poliomyelitis and Polioencephalitis	—	—	—	—	—	—	—
12	Acute Infectious Encephalitis	—	—	—	—	—	—	—
13	Cancer of Uterus	—	—	—	—	4	1	5
14	Cancer of Stomach and Duodenum	—	—	—	—	3	10	13
15	Cancer of Breast	—	—	—	1	7	7	15
16	Cancer of all other sites ...	—	—	—	3	9	20	32
17	Diabetes	—	—	—	—	—	2	2
18	Intra-cranial Vascular Lesions	—	—	—	1	13	36	50
19	Heart Disease	—	—	1	5	20	97	123
20	Other Diseases of the Circula- tory System	—	—	—	1	4	5	10
21	Bronchitis	—	—	—	—	3	8	11
22	Pneumonia	9	1	—	2	—	2	14
23	Other Respiratory Diseases ...	—	—	—	1	3	1	5
24	Ulceration of the Stomach or Duodenum	—	—	—	—	1	—	1
25	Diarrhoea (under 2 years of age)	1	—	—	—	—	—	1
26	Appendicitis	—	—	—	1	—	1	2
27	Other Digestive Diseases ...	—	1	—	—	1	5	7
28	Nephritis	—	—	—	3	1	6	10
29	Puerperal and Post-Abortive Sepsis	—	—	—	—	—	—	—
30	Other Maternal Causes	—	—	—	—	—	—	—
31	Premature Birth	9	—	—	—	—	—	9
32	Congenital Malformation, Birth Injury and Infantile Diseases	11	—	—	—	—	—	11
33	Suicide	—	—	—	2	—	—	2
34	Road Traffic Accidents	—	2	—	—	—	—	2
35	Other Violent Causes	1	—	—	—	—	3	4
36	All Other Causes	2	—	—	1	4	12	19
	Totals All Causes ...	36	5	1	31	82	219	374

Deaths under one year of age :—

Legitimate female children ... 34.

Illegitimate female children ... 2.

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